

In the Claims:

Please amend the claims as follows:

1. (Cancelled)

2. (Currently Amended) An animal washing system, comprising:
an aeration subsystem;

a cleaning subsystem adapted to receive a water flow and being coupled
to the aeration subsystem and having an output port; and

~~The animal washing system of claim 1 further comprising a carbonated
soaping subsystem coupled to the cleaning subsystem.~~

3. (Original) The animal washing system of claim 2 wherein the
carbonated soaping system comprises:

a three-way valve adapted to receive pressurized air on a first input and
adapted to receive pressurized carbon dioxide on a second input, and having an
output;

a first distribution block coupled to the output of the three-way valve and
having a plurality of ports;

a first group of shampoo storage tanks, each storage tank having an
input port coupled a respective one of the ports on the first distribution block, and each
tank having an output port;

a second distribution block coupled to the output of the three-way valve
and having a plurality of ports;

a second group of shampoo storage tanks, each storage tank having an
input port coupled a respective one of the ports on the second distribution block, and
each tank having an output port.

4. (Original) The animal washing system of claim 3 wherein each distribution block includes four ports and each group of shampoo storage tanks includes four tanks.

5. (Original) The animal washing system of claim 3 wherein the carbonated soaping system further comprises a carbon dioxide tank coupled to the first input of the three-way valve.

6. (Currently Amended) The animal washing system of claim 4-2 wherein the aeration subsystem comprises:

a compressor; and

an air distribution block including a plurality of air ports.

7. (Currently Amended) The animal washing system of claim 4-2 wherein the cleaning subsystem comprises:

a shampoo port;

a shampoo valve coupled to the shampoo port;

a distribution manifold having an output coupled to the shampoo valve and having a plurality of inputs;

a plurality of valves, each valve being coupled to a respective input of the distribution manifold and to the carbonated soaping subsystem;

a first aeration port;

a first aeration valve coupled to the first aeration port and to the aeration subsystem;

a rinsing port;

a water control valve coupled to the rinsing port and adapted to receive a second water flow;

a second aeration port;

a second aeration valve coupled to the second aeration port and to the aeration subsystem;

a user control valve coupled between the second aeration port and the rinsing port;

a flexible hose coupled to the output port; and

a spray unit coupled to the flexible hose;

8. (Original) The washing system of claim 7 wherein each of the valves comprises a solenoid valve.

9. (Original) The washing system of claim 7 wherein each of the aeration ports includes an air diffusion media unit positioned in the port.

10. (Original) The washing system of claim 7 further comprising:
a first flow restrictor adapted to receive the water flow; and
a second flow restrictor coupled between the water control valve and a source of the second water flow.

11. (Original) The washing system of claim 10 further comprising a plurality of check valves.

12-28. (Cancelled)

29. (New) An animal washing system, comprising:
an injector subsystem including a water input port adapted to receive water and a shampoo port adapted to receive shampoo, the injection subsystem operable to generate a water-shampoo mixture and provide this mixture at an injector output port; and

an aeration subsystem including an aeration input port coupled to the injector output port to receive the water-shampoo mixture, an aeration output port, and an aeration media adapted to receive pressurized air, the aeration media being positioned between the aeration input and output ports to aerate a flow of the water-

shampoo mixture and thereby generate an aerated-water-shampoo mixture having desired foaming characteristics that is provided at the aeration output port.

30. (New) The animal washing system of claim 29 further comprising a soaping subsystem operable to generate and store a plurality of carbonated shampoos, and operable in response to selection inputs to provide a selected one of the carbonated shampoos to the shampoo port of the injector subsystem.

31. (New) The animal washing system of claim 29 wherein the aeration subsystem further a second aeration input port including a second air diffusion media adapted to receive pressurized air.

32. (New) The animal washing system of claim 31 wherein the aeration subsystem includes a compressor.

33. (New) The animal washing system of claim 32 further comprising a flexible tube and a spray unit coupled to the aeration output port.

34. (New) An animal washing system, comprising:
an aeration subsystem operable to provide pressurized air;
a soaping subsystem operable to provide a selected one of a plurality of shampoos responsive to selection inputs; and

a cleaning subsystem including an output port, a water input port adapted to receive water, a soaping port coupled to the soaping subsystem to receive the selected shampoo, and an aeration port including an aeration media coupled to the aeration subsystem to receive the pressurized air, the cleaning subsystem operable in a soaping mode to combine the water and the selected shampoo to form a water-shampoo mixture and to flow the combined water-shampoo mixture over the aeration media to aerate the water-shampoo mixture and generate an aerated water-

shampoo mixture having desired foaming characteristics, and to provide the aerated water-shampoo mixture from the output port.

35. (New) The animal washing system of claim 34 wherein the cleaning subsystem further comprises a rinsing port adapted to receive a second water flow, the cleaning subsystem operable in the rinsing mode to provide the water flow from the output port using substantially the second water flow.

36. (New) The animal washing system of claim 34 wherein the soaping subsystem is further operable to generate and store a plurality of carbonated shampoos, and is operable to provide a selected one of the carbonated shampoos responsive to the selection inputs.

37. (New) The animal washing system of claim 34 wherein the cleaning subsystem further includes a plurality of aeration ports, each aeration port including a respective aeration media adapted to receive the pressurized air.

38. (New) The animal washing system of claim 34 wherein the aeration subsystem includes a compressor.